
FOLIO

Research Council Lectureship Series About to be Initiated

A lectureship series sponsored by the Alberta Research Council (ARC) in recognition of our University's 75th Anniversary will begin next month. James Ham, Past President of the University of Toronto and currently a Brookings Fellow in Science and Public Policy at the Brookings Institution in Washington, D.C., will present the inaugural Robert M. Hardy 75th Anniversary Lecture in Engineering Wednesday, 7 March, at 4 p.m. in Tory Lecture Theatre B-1. The following Monday, 12 March, John Polanyi, Professor of Chemistry and University Professor at the University of Toronto, will give the first John A. Allan 75th Anniversary Lecture in Science. His lecture will also be held in Tory B-1 at 4 p.m.

Agriculture, engineering, and science and how they relate to society are the general themes of the lectureship series being sponsored by ARC annually for the next five years. The series is intended to bring to Edmonton internationally acclaimed scientists, each of whom will present a public lecture and be available for special seminars and consultations with members of both the University and ARC communities.

Hardy Lecture in Agriculture

"Work, Technology and Engineering" is the subject that James Ham will address. A graduate of the University of Toronto (BSc 1943) and the Massachusetts Institute of Technology (SM 1947; ScD 1952),

Dr. Ham is an electrical engineer widely-recognized for his contributions in the area of control systems and engineering education. According to his colleagues, Dr. Ham's breadth of experience makes him an invaluable resource in the field of technology and human relations.

President of the University of Toronto from 1978 to 1983, his 30-year association with that institution included positions as Dean of Applied Science and Engineering (1964 to 1966), Chairman of the Research Board (1966 to 1973), and Dean of Graduate Studies (1974 to 1976). Although currently on leave, Dr. Ham is Professor of Science, Technology and Public Policy at the University of Toronto.

The many honors bestowed on Dr. Ham include a Centennial Medal of Canada (1967), a Silver Jubilee Medal of Canada (1977), and the Sir John Kennedy Medal, Engineering Institute of Canada (1983). An Officer of the Order of Canada (1980), Dr. Ham has been recognized with honorary degrees from a number of universities.

Allan Lecture in Science

John Polanyi has entitled his inaugural lecture "Science, Technology and Society: How discoveries are made—and why it matters." An internationally acclaimed chemist, Dr. Polanyi is a graduate of the University of Manchester (BSc 1949; MSc 1950, PhD 1952; DSc 1964). After two years as a post-doctoral fellow with the National Re-

search Council of Canada and two as a research associate at Princeton University, Dr. Polanyi moved to the University of Toronto in 1956.

Noted for his contributions to the understanding of the molecular motions in chemical reactions, Dr. Polanyi was a pioneer in the use of trajectory calculations to explore the molecular details of the reactive event.

The author of more than 150 scientific papers, he has also expressed himself in print on such varied topics as science policy

and the control of armaments. He is well-known for his book *The Dangers of Nuclear War*.

While on campus, Dr. Polanyi will speak to the recently established University Nuclear Disarmament Organization (UNDO). "Can we avoid an arms race in space?" is the question he will discuss Tuesday, 13 March, at noon in SUB Theatre.

The third ARC Lectureship is the Nathaniel H. Grace 75th Anniversary Lectureship in Agriculture. The inaugural lecture will be held this fall. □

1984 Research Prizes Awarded

Norbert Morgenstern, Professor of Engineering, and Gerhard Krapf, Professor of Music, have been named recipients of the 1984 University of Alberta Research Prize. The prestigious award, sponsored jointly by the University and the AAS:UA, recognizes excellence in research and scholarship. Two prizes are awarded annually: one rewards outstanding work in the general area of the humanities and social sciences; the other, the sciences and engineering.

The research prizes will be awarded Wednesday, 21 March, in a special ceremony beginning at 8 p.m. in SUB Theatre. Each recipient will receive a cheque for \$2,500 and present a public lecture. Dr. Morgenstern will speak on "Engineering, Research and the University." Professor Krapf has taken as his topic "*Musica universalis*, a personal credo."

Profiles of the 1984 prize winners will appear in next week's *Folio*. □

The Power of the Press

The University of Alberta Press has been unanimously voted in as the 81st member of the Association of American University Presses (AAUP), based in New York City.

"This means it (the Press) has finally come of age and has

taken its place among its peers on this continent," remarked Norma Gutteridge, Director of the 15-year-old Press.

Prior to gaining acceptance in the latter part of 1983, the Press had to submit copies of its publications for the previous two

years to the Committee on Standards and Admissions, plus the names and affiliations of the readers who had reported on them, and the make-up of the governing committee that had approved them for publication. Full financial details had to be provided, with a letter from the President noting the University's financial support for its Press.

The Press came through with flying colors and became the sixth Canadian member of the Association, the others being the presses of British Columbia, Laval, McGill-Queen's, Montreal, and Toronto.

Benefits will largely consist of opportunities to participate in the Association's activities, which include education and training, fund raising and development, statistical research and analysis, management and marketing services, and cooperative exhibits and advertising. For example, the Press will take advantage of the Association's cooperative advertising inserts in the April issue of *The New York Review of Books*. Representation in book displays throughout the United States in all disciplines in the humanities and social sciences is available to the Press at a modest fee.

AAUP, created as a formal organization in 1937 and established with a central office in

New York since 1959, aims to "encourage dissemination of the fruits of research and to support university presses in their endeavor to make widely available the best of scholarly knowledge and the more important results of scholarly research."

1983 was also kind to the Press in that it won two awards: the Writers' Guild of Alberta non-fiction award for John Davenall Turner's reminiscences *Sunfield Painter*, and the Canadian Historical Association's regional history award for A.A. den Otter's *Civilizing the West: The Galts and the Development*

of Western Canada.

In addition, 1983 saw the Press's book *Clothing Designs for the Handicapped* by Anne Kernaleguen (Home Economics) appear in Japanese, the rights having been sold to Koseisha of Tokyo; and the promise that another, *Time Sequence Analysis in Geophysics* by E.R. Kanasewich (Physics), will appear in Russian in 1985, the rights for it having been bought by Nedra of Moscow. Both books have also sold widely in many countries in their English-language editions.

This year, the Press will publish, among other titles, *The*

Myth of the Savage and the Beginnings of French Colonialism in the Americas by Olive P. Dickason, Department of History, and *Peacekeeping in Vietnam: Canada, India, Poland and the International Commission* by Ramesh Thakur, University of Otago, New Zealand.

A memorial volume for C.J. Lowe, former Chairman of the Department of History, entitled *Shadow and Substance in British Foreign Policy 1895 - 1939* is in preparation. The book's editors are D.J. Moss and B.J. McKercher, Department of History. □

Seminars on University Teaching Scheduled

In conjunction with its 1983-84 workshop and seminar program, the Committee for the Improvement of Teaching and Learning (CITL), in cooperation with the Department of Psychology, has arranged for a visit by Christopher Knapper.

Dr. Knapper, Teaching Resource Person at the University of Waterloo, will give two seminars 2 March. The titles are: "Evaluating University Teaching—the Need for New Initiatives," and "Technology and University Teaching—Promises and Pitfalls."

The opening seminar will run from 9 to 11 a.m. in the University Hall Council Chamber. It will include a brief overview of the place of teaching in the university reward system; the history and current practice of teaching evaluation in Canada; and the difficulties of evaluation and the urgent need to overcome them by new approaches such as the teaching dossier prepared by the Canadian Association of University Teachers.

Incidentally, copies of the "Guide to the Teaching Dossier: Its Preparation and Use" can be obtained from Morag Pansegrau, Co-ordinator, CITL, 230 Asiniboia Hall (432-2826). Dr. Pansegrau can also supply a list of instructional development materials which the Educational Administration Lab has agreed to make available on a loan basis to academic staff.

Dr. Knapper's second seminar is a brown bag, lunch time (noon to 1 p.m.) affair. The gist of "Technology and University Teaching—Promises and Pitfalls" is a review of the history of technological innovations in education and a critical review of their successes and failures.

In particular, Dr. Knapper will concentrate on the use of computers in teaching, ranging from

computer-assisted instruction to the use of computers by students as a problem-solving tool. Attention will also be paid to "computer literacy" and what this might mean in the short-term future for students in different disciplines.

The seminar will take place in 457 CAB. Participants are asked to bring their lunch; coffee and donuts will be provided. □

Faculté Saint-Jean Holds Book Fair

Le Salon Du Livre, a book fair organized by l'Association Canadienne-Française de l'Alberta (Edmonton region), Faculté Saint-Jean, the National Film Board, Le Carrefour Books Ltd., l'ACELF, and the National Arts Council was held 14 to 17 February at Faculté Saint-Jean. The fair displayed more than 5,000 titles from some 150 publishers, as well as numerous records and tapes, all of which were on sale.

The event, which was aimed at parents, teachers, and children involved in immersion programs and in the teaching of the French language, included presentations by Le Théâtre Français d'Edmonton, NFB, and singer Yves Lévesque, and read-

ings and discussions with authors Jocelyne Deschesne, Sylvie Durand, and Marguerite Primeau.

Keynote speakers at the event were David Kilgour, MP (Edmonton-Strathcona); Guy Goyette and Adrienne Bernard, President and Vice-President, respectively, l'Association Canadienne-Française de l'Alberta; Jean-Claude Mahé, NFB; Marie-Josée Turcotte, commentator (CHFA Radio, and Radio Canada); and Gamila Morcos, Dean, Faculté Saint-Jean.

The exposition has travelled to St. Paul, Vancouver, and Edmonton, and will stop in every major city of each province as it moves eastward. It was or-

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ganized by the Consul des Arts Canada, which wanted to make Canadians aware of what has been published by Canadian authors in the last few years, and to

promote French-Canadian culture by integrating French-Canadian books not only into public and school libraries, but also into homes. □

Roberta E. McKown, 1932 - 1984

Roberta E. (Bobby) McKown, Professor of Political Science and Chairman of the department from 1975 to 1982, died in Edmonton, of cancer, on 15 February 1984.

Dr. McKown was born in Endicott, New York, and moved to Oregon in her youth. She was educated at the University of Oregon, where she received a BA in economics and a MA and PhD (1968) in political science.

Appointed as an Assistant Professor of Political Science at the University of Alberta in 1968, she was promoted to Associate Professor in 1972 and to Professor in 1977. She was asked very early on to show her talent in administration by serving an 18-month term as Associate Chairman and Graduate Chairman from 1970 on, and she spent several years as Chairman of the Research Committee. Soon after her selection as Acting Chairman in 1975, she was made Chairman, serving two terms separated by a study leave. She served as Chairman of the Academic Planning Committee of the Faculty of Arts and as a member of the University Graduate Scholarship Committee.

While Dr. McKown devoted the major part of her professional life to administration, her untiring energy enabled her to achieve a high level of scholarship. She was the author of eight chapters in books and of articles in *Comparative Political Studies*, *Comparative Politics*, and a number of other recognized journals. Her scholarly reputation soon spread, and during the span of 14 years she gave 20 conference papers, all but six outside



Roberta E. McKown

Canada. Those presented outside North America took her to Addis Ababa, Louvain-la-neuve, Edinburgh, Melbourne, New Delhi, Moscow, Mexico City, and Sydney.

Her contributions were primarily in the area of comparative political development. Her theoretical acumen made her a first-rate graduate supervisor. Her first love regarding empirical research was Africa, and she was well established among internationally known students of African politics.

Dr. McKown is survived by her husband, Thomas W. Mapp, by a son, Bruce N. Koplin, and by two daughters, Terry E. Koplin and Mara Everett. A memorial service will be held at 2 p.m. Wednesday, 29 February, at the Unitarian Church of Edmonton, 12530-110 Avenue. No flowers, please; donations may be made payable to the University of Alberta: R.E. McKown Memorial Fund. □

New Lab Director Appointed

Bell-Northern Research Ltd. (BNR), currently involved in joint research activities with the University of Alberta, recently announced the appointment of Greg Mumford as Lab Director for BNR Edmonton.

Mr. Mumford is responsible for the technical and administrative management of this research and development facility, which employs more than 80 people. The BNR Edmonton lab conducts research and development on fiber optics and other telecommunications transmissions systems and develops software for the VANTAGE family of key telephone systems.

The lab works closely with Northern Telecom Canada Ltd.'s transmission division headquarters in Edmonton, the optical systems division in Saskatoon, and the business products division in Calgary.

Prior to coming to Edmonton in 1980 as BNR's Director of Product Development, Mr. Mumford was a member of the scientific staff and was appointed Technical Manager of BNR Ottawa. He succeeds Antony Marsh who has been appointed Assistant Vice-President, Information Systems, at BNR Ottawa. □

String Quartet to Perform Season Finale

The University of Alberta String Quartet will perform its final concert of the 1983-84 season 29 February at 8 p.m. in Convocation Hall.

Members of the quartet are: Norman Nelson, violin; Lawrence Fisher, violin; Michael Bowie, viola; Paul Pulford, cello. They will be joined by Helmut

Brauss, piano. The program consists of Schubert's String Quartet in E flat major, Op. 125; Clermont Pépin's String Quartet No. 2; and Franck's Piano Quintet in F minor.

Admission is free, and parking is available in the N or U lots east of HUB. □

Alberta/China Project Spawns Major Support

The International Development Research Centre has approved a \$149,200 grant to the University of Alberta. The funding gives the green light to a collaborative research project (to be undertaken with Zhongshan University of the People's Republic of China) designed to develop an optimal system for inducing spawning in fish species of importance to Chinese aquaculture.

The project dates back to 1981 when Hao-Ren Lin, Professor of Biology at Zhongshan University, came to this University as a Visiting Chinese Scholar. He worked for a year with Richard Peter, Professor of Zoology. En-

couraged by various lab results, they developed an outline for a research project that examined new techniques for induced fish spawning.

China has a very large fish culture industry, one that is still based on traditional methods of handling. According to Dr. Peter, part of the project will be to test scientifically the existing methods to see if they are advantageous. Further, he intends to examine the possible combination of new technology with traditional methods in the search for a treatment that might prove more economical and efficient.

The specific objective of the

project is threefold: (1) to search for less expensive yet more efficient drugs to induce spawning; (2) to develop a delivery system that synchronizes the activity of the drugs; and (3) to test possible superactive forms of the key drug (luteinizing hormone-releasing hormone, LRH-A).

The initial work will be done

here, in Dr. Peter's lab. And, although Dr. Peter will travel to China and assist Dr. Lin in setting up a lab at Zhongshan University once the technology has been refined, the work will continue here as well. Funding for the project is for an initial three-year period. □



Dawn Blaeser negotiates the corridors of Athabasca Hall on a newly acquired Portascoot. The three-wheeled vehicle was purchased recently by the Office of Student Services with funds provided by Martha Johnson (right). Miss Johnson, disabled herself, donated money for the Portascoot in an effort to assist disabled University students in more easily traversing the campus. For Dawn, a second-year student in Home Economics, having wheels means she no longer need be at the mercy of volunteers who previously drove her from class to class. According to Marion Nicely (background), Coordinator of Disabled Students, Miss Johnson's generous gift will likely enable Student Services to buy a second Portascoot.

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Letters

Should There be a Limit on Pension Plans?

■ In this period of restraint one might look carefully at the purpose of our pension plans. The basic idea of a pension plan is to be sure that one has the means to keep the wolf from the door after retirement. Does it make sense, then, to have plans that do more than provide adequate retirement income? Our present plan permits an adequate income, but it also permits a more than adequate income for those who have had exceptional salaries at some point in their career. It would be more in keeping with the original intention of pension plans if there were a top limit, perhaps based on 10 or 15 steps beyond the rank of full professor.

Those who are in the higher income brackets will be in a position to make plans for themselves if they wish to live at a more luxurious standard after retirement. My basic argument is that pension plans should be for security rather than a way of providing a fringe benefit for high income faculty members. One could, of course, permit high income scholars who have not accumulated 35 years to add to their total. Once having reached a certain level, however, pension plans should focus on other factors, such as indexing.

Although I do not know how many people are involved, the monies needed for luxury pensions might better be used for hiring younger staff members to reduce class size.

Jim Hackler
Sociology

The Numbers Racket

■ A small typo appeared on the front page of your 9 February issue. Your readers were advised to telephone the Secretary to GFC (that's me) at 432-4956 to obtain details about GFC

matters or about GFC's 30 January meeting. At first I recoiled in mock horror upon seeing my telephone number advertised so boldly on your front page. Then I noticed that it was the *wrong* number. I dialed the incorrect number to forewarn the person at the other end about the flood of impending calls. Then I was *truly* horrified. Guess why? No one answered.

Dear readers: someone from the University Secretariat *will* answer the phone if you dial 432-4965. That is the number of our main office. I can be reached directly at 432-5430.

Ellen Solomon
Secretary, General Faculties Council

service information

All information to be included in this column must reach the Office of Community Relations by 9 a.m. the Thursday prior to publication.

Coming Events

Lectures and Seminars

Faculty of Medicine

24 February, 8 a.m. J. Warnica, Moderator; B. O'Kelly, Presenter; P. Greenwood, Discussant; T. Shnitka, Pathologist; J. Yeung, Editor, "Clinical Pathological Conference." 2-115 Clinical Sciences Building.
24 February, 2 p.m. Morris Goldner, Department of Microbiology, University of Toronto, "Pathogenicity of *Neisseria Gonorrhoeae*: Mechanisms to the Bactericidal Activity of Serum." 1-17c Medical Sciences Building.
27 February, 8 a.m. D. Briant, St. Michael's Hospital and University of Toronto, "Management of Thyroid Nodule." 2-115 Clinical Sciences Building.
28 February, noon. D. Morrish, "How Do Hormones Kill Tumor Cells?" Auditorium, Cross Cancer Institute.

Alberta Heritage Foundation For Medical Research

23 February, 4 p.m. Douglas Green, Department of Pathology, Yale University, School of Medicine, "Immunoregulatory T Cell Pathways: Suppression and Contr suppression." Dr. Green will discuss current views on how lymphocytes are regulated by suppression and contrasuppression as expressed in separate populations of T cells. Sponsored by the Department of Immunology. 8-66 Medical Sciences Building.

Department of Plant Science

27 February, 1 p.m. Gerry Hoppé, "Lignification and Digestion." 1-06 Agriculture-Forestry Centre.
29 February, 1 p.m. Andrea Da Rocha, "Frost Injury to Plants and Bacterial Ice Nucleation." 1-06 Agriculture-Forestry Centre.
2 March, 3:30 p.m. K. Kasha, Crop Science Department, University of Guelph. "Development in Haploidy in Barley." This is a joint seminar with the Department of Genetics. M-149 Biological Sciences Building.
5 March, 1 p.m. Jendeka Mahasi, "Genetics Studies in Rapeseed." 1-06 Agriculture-Forestry Centre.
7 March, 1 p.m. Kan Fa Chang, "Verticillium Wilt of Alfalfa." 1-06 Agriculture-Forestry Centre.

Department of Slavic and East European Studies

28 February, 3:30 p.m. Social Sciences seminar with participants A. Matejko, L.A. Kosinski, K. Krotki, and M. Yurkevich discussing "Poland in 1984: Problems and Prospects." 311 Athabasca Hall.

University of Alberta Women in Science and Engineering

28 February, 7:30 p.m. Monica Palcic, Joe Nelson and J. Gordin Kaplan, "Looking Ahead—A Panel Discussion on Graduate Studies and Beyond." Everyone welcome. The lecture will be followed by a potluck dessert. CW-410 Biological Sciences Building.

Department of Botany

29 February, 4 p.m. Peter Nosko, "Physiological Ecology of 'Alopecurus Alpinus' at Two High Arctic Locations." M-137 Biological Sciences Building.

Women's Program, Extension

29 February, 7:30 p.m. Anne Runyan, Alberta Society of Women Against Violence, "New Concepts in Understanding Violence Against Women." 332 Corbett Hall.

Man in the Universe Lecture Series

29 February, noon. J. R. Nursall, Zoology, "Coral Reefs and Coral Seas." 234 Central Academic Building.

Limnology and Fisheries Discussion Group

1 March, noon. Jackie Bierhuizen, "The In-

fluence of Nutrients and Chemical Parameters on Phytoplankton Standing Crop in Prairie Saline Lakes." G-217 Biological Sciences Building.

Centre for Gerontology

1 March, 12:30 p.m. J. Kerr, "Perceptions of Health Needs and Resources of Rural Elderly People." 8-14 General Services Building.

Department of Classics

1 March, 3:30 p.m. John Yardley, Department of Classics, University of Calgary, "Properius and Comedy." 1-8 Humanities Centre.

Department of Philosophy

1 March, 3:30 p.m. Peter McCormick, Professor of Philosophy and English Literature, University of Ottawa, "Fictions and Feelings." 4-29 Humanities Centre.

Faculty of Pharmacy and Pharmaceutical Sciences

1 March, 4 p.m. M. Spino, Faculty of Pharmacy, University of Toronto, "Altered Disposition of Drugs in Cystic Fibrosis—Why?" 4069 Dentistry/Pharmacy Centre.

Committee for the Improvement of Teaching and Learning

2 March, 9 a.m. Christopher Knapper, Teaching Resource Person, University of Waterloo, "Evaluating University Teaching—The Need for New Initiatives." Council Chamber, University Hall.
2 March, noon. Dr. Knapper, "Technology and University Teaching—Promises and Pitfalls." 457 CAB.

Department of Art and Design

2 March, 2 p.m. Jack Damer, University of Wisconsin-Madison, will give a public lecture on his work. 2-20 Fine Arts Building.

Department of Statistics

2 March, 2 p.m. M. Hlywka and J.N. Sheahan, "Optimal Control in Double Queues." 657 CAB.

Department of Zoology

2 March, 3 p.m. Tom Wegmann, "Immunobiology of the Maternal-Fetal Relationship." CW-410 Biological Sciences Building.

Center for Advanced Study in Theoretical Psychology

5 March, 2 p.m. F. Dretske, University of Wisconsin-Madison, "Minds, Machines and Meaning." P-319N Biological Sciences Building.

Gordon Yaciuk Memorial Lecture

6 March, 8 p.m. Joseph H. Hulse, Vice-President, Research Program, International Development Research Centre, Ottawa, "World Food Systems—Problems and Potentials." Papaschase Room, Faculty Club.

Department of Sociology

7 March, noon. A. Matejko, "The Participatory Team (Planungszelle of P.C. Dienel)." 5-15 Tory Building.

Department of Economics

7 March, 3 p.m. John Vanderkamp, University of Guelph, "Union/Non-union Differentials in Annual Earnings." 8-22 Tory Building.

Music

Department of Music

All events take place in Convocation Hall, unless otherwise specified.
23 February, 8 p.m. "Death: A Celebration," featuring Harold Wiens, baritone, and Robert Stangeland, piano, William Meilen, poetry reading, and Orchestis Dance Group. This program is a part of the conference on "Canada, The World and The Future."
27 February, 8 p.m. Senior student recital with Donna Abbey-Colborne, soprano.

Exhibitions

Ring House Gallery

Until 11 March. "A University Collects: Recent Acquisitions."
Until 20 March. "Two Newfoundland Artists: Don Wright and Heidi Oberheide."

Films

Chaplains' Association

Out of the Whirlwind: A Holocaust Film Series. An exploration of the Holocaust through documented history, court evidence, film and survivors. A film and discussion series.
28 February, 8 p.m. "Christian Silence, Compliance and Resistance." "The Avenue of the Just"—USA 1982.

Department of Germanic Languages

29 February, 7:30 p.m. "Malou" (1980). Arts 17.

Radio and Television

Radio

Programs broadcast on CKUA radio 580 AM and 94.9 FM.
25 February, 7 p.m. University Concert Hall—Piano Recital. Guest: Helmut Brauss.
29 February, 7 p.m. Celebrations—Interview and reading with Aritha van Herk.

3 March, 7 p.m. University Concert Hall—The Wind Ensemble. Guest: Fordyce Pier

Television

Programs broadcast on ETV Q-9 and C-13
29 February, 8 p.m. "Images of Alberta," with host Kanhaya Gupta. Guest: Douglas Owrarn.

Sports

Gymnastics

2 and 3 March. Golden Bears and Pandas compete in the CIAU Championships. Pavilion.

Matters of Faith

Chaplains' Association

Mondays, 7:30 p.m. Evening Prayer in preparation for the Pilgrimage of Reconciliation and Hope by the Taizé Community. St. Joseph's College Chapel.

Catholic Campus Ministry

St. Joseph's College
Sunday Mass: Saturday, 4:30 p.m., Sunday, 9:30 and 11 a.m. and 4 and 8 p.m.
Weekday Mass: Monday, Wednesday, Friday, and Saturday at 12:10 and 4:30 p.m. and Tuesday and Thursday at 12:30 and 4:30 p.m. Also Monday to Friday at 7:30 a.m.

Lutheran Campus Ministry

Sundays, 10:30 a.m. Worship with Holy Communion in the Newman Centre of St. Joseph's College. The University community is welcome to attend.
7:30 p.m. Thursday evening worship at the Lutheran Student Centre, 11122-86 Avenue.
Wednesdays at noon. Bible Study, 158A Students' Union Building.

Anglican-United Campus Ministry

Tuesdays, noon. Bible study; Thursdays, noon. Eucharist. Bring bag lunch. 158 SUB.

Non-Credit Courses

Computing Services

MTS (Michigan Terminal System)

MTS and Editor Fundamentals (Prerequisite)
AJ510 Operation and Visual Editing
MTS Overview (Prerequisite)

TEXTFORM

Introduction to Text Formatting (Prerequisite)
Advanced Text Formatting

SPIRES

Introduction to SPIRES (Prerequisite)
Advanced SPIRES

Graphics

Introduction to Plotting
Integrated Graphics Overview

Statistics

Data Preparation for Statistical Packages (Prerequisite) Introduction to SPSSx
SPSSx Conversion
Introduction to BMDP
Introduction to MIDAS
Introduction to MINITAB
Introduction to TROLL

Microcomputers

Introduction to the IBM PC
The above courses are offered regularly through the day with limited evening selections. Registration will be taken over the phone for all courses except evening courses. These may be made in person at 352 General Services Building, or by mail. Payment must accompany registration for all evening courses. Please make cheques payable to the University of Alberta.

Waiting List Courses

The following courses are only offered when a sufficient number of people express an interest.

Courier Operation and Visual Editing
Introduction to Programming
Introduction to Typesetting
Introduction to APL
Introduction to the Array Processor
Introduction to APAL
Introduction to Clustan
Introduction to TSP
Introduction to Osiris

For more information on any of the courses listed above, telephone the Training Assistant at 432-2511, between 8:30 and noon, weekdays.

Faculty of Extension

Real Estate Education

For further information on the courses listed below and others offered, telephone 432-5060.

Real Estate in Distress
Selling Your Own Home
Occupancy Cost and the Tenant
Practical Apartment Caretaking
Apartment Rental Techniques

Land Use Planning Studies

For further information on the courses listed below, telephone 432-2912.
An Introduction to Small Towns
Corrosion Control in Steam Systems
Computer-Assisted Design: The Management Decision
Public Open Space: Designing for the Disabled
Draughting Room Management

Business and Professional

For further information on the courses listed below, telephone 432-5066 or 432-5067.
Management of Personal Finances: An Investment Strategies Approach
Effective Speaking for Business and Professional People
Wills and Estate Planning
Effective Interviewing Techniques
Profits Through Participation: The Quality Circle Approach

Applied Behavioral Sciences Division

For further information on the courses listed below, telephone 432-5069.
Coping with Loss
Tools for Teachers in Developing Positive Self-Concepts in Students
Successful Restructuring For Singled Adults
Introduction to Transactional Analysis and Its Application to Live
Personal Growth Through Self-Discovery: An Introductory Experience

Department of Electrical Engineering

CAD Group

For further information on the courses listed

below, telephone Phil Haswell at 432-5966 or 432-5877.

Basic PC/ES (Printed Circuit/Electrical Schematic)—27 February to 9 March

Basic PC/ES (Printed Circuit/Electrical Schematic)—19 to 30 March

Advanced PC/ES—30 April to 4 May (tentative)

Notices

General Faculties Council

GFC's next meeting is scheduled for Monday, 27 February, at 2 p.m. in the University Hall Council Chamber.

1. Approval of the Agenda
2. Approval of the Minutes of 30 January 1984
3. Question Period
4. New Members of GFC 1984-85

Reports

5. Executive Committee Reports
- 5.1 Executive Committee Minutes of 6 February 1984
- 5.2 Executive Committee Minutes of 20 February 1984
6. Report of the Board of Governors
7. Report of the Nominating Committee

New Business

8. Computer Design Stream Specialization in the Faculty of Science: Request for a Quota from the Faculties of Science and Engineering
9. Proposal for a School of Native Studies, and Expansion of Services Oriented to Native Students
10. Code of Student Behavior: Proposal from the Campus Law Review Committee to Amend Part II, Offences

11. Other Business

Members of the University community may telephone the Secretary to GFC, 432-5430, regarding the possibility of additional items appearing on the agenda as a result of the most recent (20 February) meeting of the GFC Executive Committee.

Campus Reviews

As part of the process of carrying out systematic reviews under the guidance of the President's Advisory Committee on Campus Reviews (PACCR), the Department of Medicine is completing the self-study phase of the review process. The other major phase of the process is the site visit and assessment by the Unit Review Committee. In preparation for this second phase, PACCR invites written comment prior to 30 March 1984. Submissions are for the use of the Unit Review Committee and will be held in confidence by the members of that committee.

Submissions should be sent to: Mrs. L. Pearson, PACCR Office, W4-13 Chemistry Building, Attention: The Department of Medicine Unit Review Committee.

Scholarships, Fellowships and Awards

Bursaries for University Students Interested in the Field of Mental Retardation

Donor: The National Institute on Mental Retardation. *Where tenable:* Canadian universities. *Level:* Graduate. *Field:* A broad range of fields relating to human services and mental retardation. *Value:* Up to \$1,500. *Number:* Unspecified. *Duration:* Academic year 1984-85. *Conditions:* Must be accepted into full-time graduate programs in Canadian universities; Canadian citizens or landed immigrants; recommended by the Provincial Association for the Mentally Retarded in their province. *Closing date:* 30 March 1984. (Provincial Associations must send their recommendations to the National Institute on Mental Retardation by this date.) *Further information and application forms should be requested from:* Students may apply directly to their Provincial Association for the Mentally Retarded or through their local Association: Alberta Association for the Mentally Retarded, 11728 Kingsway Avenue, Edmonton, Alberta, T5G 0X5. Telephone: 451-3055.

Surplus Equipment

The equipment appearing in this column is available only to University Departments with University Administered Funds. For further information about the purchase of equipment or the disposal of any of your department's surplus equipment, contact Roslyn Hanchard or Roy Bennett, telephone 432-3208.

UNIVERSITY NUCLEAR DISARMAMENT ORGANIZATION

Box 497, Sub Post Office 11, University of Alberta, Edmonton, Alberta T6G 2E0

Educational Workshop & General Meeting

Wednesday, 29 March, 4 pm., EI-60 Chemistry

"The Nuclear Inventory," Stuart Woods, Physics

"Nuclear Scenarios," Keith Hage, Geography

"Biological Implications," David Nash, Genetics

A brief business meeting will be held to ratify articles of association.

For Sale: 1 Hitachi HV-11 Transmission Electron Microscope

For further information, telephone M.L. Wayman, 432-3418.

For Sale: 3M Model 520H thermoelectric generator

1 Global Thermoelectric Model 5120 thermoelectric generator

For more information, telephone Graham Walker, 432-4662.

For Sale: 1 Tektronix 4014-1 computer graphics display terminal

1 Tektronix 4631 hard copy unit

1 Systems approach IM/70 computer (CPU unit with 4 floppy disk drives and disk unit with 1 fixed and 1 removable disk)

The above items may be sold separately or as a complete system with software for CAD system called GRAPPLE supplied.

For further information, telephone Roger Neville, 432-2986.

Nurse (\$1,920-\$2,378) University Health Service

**In accordance with current Hiring Freeze policy, applications for these positions are restricted to current non-academic staff for a period of 10 working days.*

Advertisements

Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for subsequent insertions. There are no refunds. There is a maximum limit of thirty words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone.

Accommodations available

Private sale - Priced accordingly - Grandview. Superb family home. Large split, four bedrooms up. Den, rumpus room, screened patio, attached garage. Beautifully treed. Outstanding elementary-junior high. Date negotiable. \$179,900. 434-5064.

Sale - Grandview, University. Four-bedroom, 1,900 sq. ft. \$154,700. 437-7299.

Sale - 9929 Saskatchewan Drive, 1,900 sq. ft. Condominium, panoramic view of city. Living room, 35' long. Pool, whirlpool, sauna, five appliances. Louise Grant, 436-3050. Langley Realty.

Rent - Sabbatical home from Sept. 1984 -

May 1985 Four-bedroom, two-storey, in prestige neighborhood. Five minutes to University. 432-5630.

Sale - Two-bedroom, unique condominium. Close to University, excellent, assumable mortgage. Sharon, 435-8344. 436-3050. Langley.

Sale - Westend. Large, view lot. Immaculate home. Fully developed. Resi Richter, A.E. LePage, 483-9432, 455-4181.

Sale - Glenora. Three-storey home. Super lot. Resi Richter, A.E. LePage, 483-9432, 455-4181.

Sale/rent - 2,400 sq. ft., dream home. Five acres, architectural design, three large bedrooms, three baths, two fireplaces,

double attached garage, many features. Selling price, \$149,000. Rental \$950. Stef, 962-6262.

Sale - Beautiful, 1,760 sq. ft., four-bedroom, two baths, split-level home. Totally upgraded, open design for family living. Fireplace, double garage, central vacuum, appliances. Spruce Grove. Call Stef, 962-6262

Rent - 15 May - 15 August. Spacious, three-bedroom, furnished house, near campus. Mature trees, screened porch, character. \$550 per month, \$550 damage. Longer period to August 1985 negotiable. 432-0864.

Sale - Hycourt, 11016 86 Ave. New town-homes in Garneau, walking distance to University. Two and three bedrooms. Unique European design. Leah Vorobec, Gentry Real Estate, 482-7161, 432-1915, 488-8080.

Rent - Three miles south, four-bedroom

Positions Vacant

The University of Alberta is an equal opportunity employer but, in accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Non-Academic Positions

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. As positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 16 February 1984. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Clerk Typist III (Part-Time, Term) (\$697-\$834) Continuing Medical Education

Clerk Steno III (Trust) (\$1,294-\$1,561) Centre for Frontier Engineering Research

*Programmable Typewriter Operator (\$1,442-\$1,766) Materials Management

*Administrative Clerk (\$1,442-\$1,766) Pension and Benefits Administration

*Library Assistant II (\$1,497-\$1,842) Boreal Institute for Northern Studies

*Departmental/Executive Secretary (\$1,625-\$2,003) Dean of Dentistry

*Departmental/Executive Secretary (\$1,625-\$2,003) Graduate Studies and Research

Lab Assistant III (Trust, Part-Time) (\$647-\$781) Medicine

Clinical Research Assistant (Trust, Part-Time) (\$8-\$12/hour) Dentistry

Technician I/Technologist I (Trust) (\$1,497-\$2,092) Immunology

Technician I (Trust) (\$1,497-\$1,842) Medicine

Biology Technologist I (Trust) (\$1,697-\$2,092) Zoology

Technician II/III (Trust) (\$1,697-\$2,378) Pediatrics

Technician II/Technologist II (Trust) (\$1,920-\$2,378) Immunology

Technician II/Technologist II (Trust) (\$1,697-\$2,378) Biochemistry

Biology Technologist II (Trust) (\$1,920-\$2,378) Genetics

COLD SORES!!

Do you suffer from recurring cold sores? Would you like to participate in a CONFIDENTIAL, controlled study by a University research team investigating a promising anti-viral medication?

For more information, call Sheri Samuels
at 432-2691



ENJOY A **POSITIVELY DELIGHTFUL** TOUR OF LONDON THEATRES!
MAY 3RD TO 18TH, 1984!

At the heart of the English-speaking theatre world is, of course, London's West End. Join us in a whirlwind tour of theatres, from the Aldwych to the Windmill. Our intention is to take advantage of the quality and diversity of available theatre, from tragedy to music hall. We expect to stay in Britain for 15 days, during which time we shall enjoy a minimum of eight plays, join in critical discussions, and be instructed by a number of guest lecturers from the London theatre world. There will also be time for shopping and touring the most significant historical sites. The fee of \$1,895 includes pre-tour lectures and discussions, return air-fare, accommodation with breakfasts, theatre tickets and airport-hotel return transfers.



INSTRUCTOR: PROFESSOR G. McCaughey
Information:
Call 432-3026 (weekdays, please)
Professor Richard R. Faryon
Associate Dean, Faculty of Extension
University of Alberta

home. \$600 per month. 1 1/2 bathrooms, two-car garage. Phone, 435-3241.

Sale - 1,550 sq. ft. bungalow in desirable Windsor Park. Large lot. Fireplace. All appliances. Call Chris Tenove or Florence Thompson, 436-6833, 436-5250.

Spencer's.
Rent - Five-bedroom home. Millcreek, May - December, 1984. \$700/month. 432-2740, 433-4687.

Sale - Executive, split-level. Revenue suite, three bedrooms, den, family room, fireplace, 3 1/2 bathrooms. Double, attached garage. 10806 68 Ave. Open house, Sunday, 26 February, 2-4 p.m.

For sale - Attractive home with southern exposure on ravine lot. Large living room and separate dining room, master suite, security system, close to downtown. \$269,000. Eleanor Duncan, 434-7368. Langley.

Sale - Spacious, open-beam bungalow. Three acres, Edmonton. Five bedrooms, 3 1/2 baths. Finished basement, heated garage. Family room with deck. Schools close. Mature landscaping, 25 min. to University. No agents. \$225,000. 988-5127.

Automobiles and others

1976 Renault 12, brown, stationwagon, Hemi-Head engine. Automatic. 455-1610 after 6 p.m.

Goods for sale

Books bought and sold - The Edmonton Book Store in HUB Mall will pay cash for book collections and individual, rare items. Appraisals available. Open seven days a week. 433-1781.

Baby grand & upright pianos, king-size bed, family room furniture, dressers, freezer, fridge, card table, desk, moped, rugs. 487-1238 evenings.

Services

Donnie Word Processing. Specializing in theses, manuscripts, etc. 8315A-105 St. 432-1419.

Singing teacher, Eileen Turner, 439-4661.
Backaches? Stress? Tension? Relief promised at Back Basics. Physiotherapist Maria Krieg uses heat, massages, chiropractic and interferential electrotherapy for special treatments. (Gift certificates). 11627-75 Ave. 436-8059.

Professional typist - Word processing. Specializing in theses and dissertations. Gwen, 467-9064.

Word processing - \$18/hour. Typing - from \$1.50/page. Greek symbols and equations. 432-0138.

Finishing carpenter available to do all types of renovation and woodwork. Phone Don, 479-8067.

Evans-Davis Contracting. Additions, renovations, sun decks, free estimates. 468-5780.

American Tax returns, Eberlein Consulting. 434-0563.

Do your own typing on our word processors. \$5/hour. Letter quality (daisy wheel) printers. Limited training available (easy to learn). For information, call U of A Printing Services, 432-3754.

Professional editing service. 458-8649.

Finishing carpentry and all types of interior renovations. Upgrade your home with new doors, feature wall, etc. Work completed by professional tradesmen. 432-7974.

Expert tutoring available for high school/University students. Reasonable rates, flexible hours. 483-9308.

Bali Satay House. Fast food: Indonesian food, Thursday, Friday, Sunday. Malaysian food, Wednesday, Saturday. Vegetarian food, Mondays, (Western style). Phone 438-3928.

Journeyman carpenter - renovations, cabinets, all general carpentry. Phone Noel, 456-3136.

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DANCE MOTIF '84

March 2, 3, 1984

8:00 p.m.

Student Union Theatre

tickets 5.00

available from

Orchesis members

or the Sub ticket office

information 432-5601

